

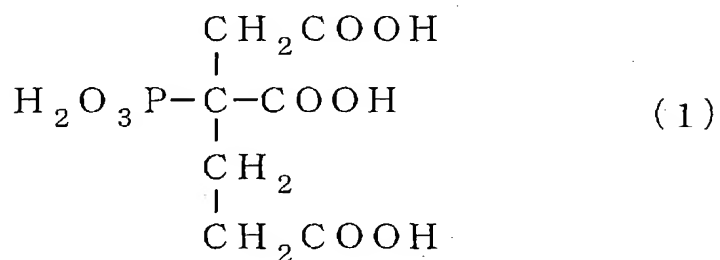
WHAT IS CLAIMED IS:

1. An ink for use in inkjet recording, the ink comprising:

a dye;

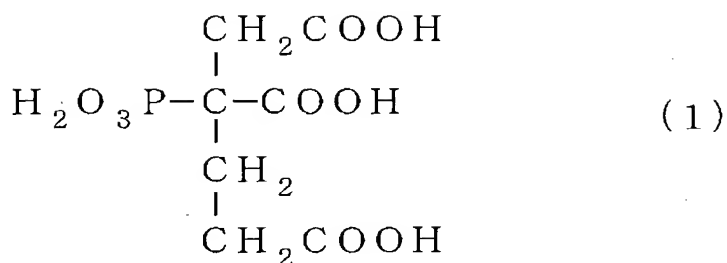
water; and

an organic phosphonic compound represented by the formula:



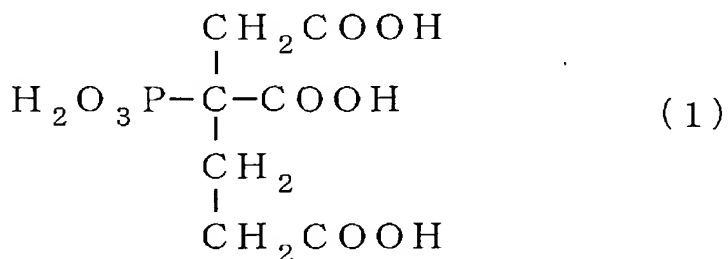
2. The ink according to claim 1, wherein the organic phosphonic compound content is in the range of 0.01 to 10 percent by weight.

3. A method for inkjet recording comprising a step of ejecting an ink containing a dye and water from a nozzle onto a recording medium to form an image on the recording medium, wherein the ink contains an organic phosphonic compound represented by the formula:



4. An inkjet recording head comprising a reservoir for accommodating an ink, a heater device, and a nozzle, the inkjet recording head capable of ejecting the ink in the reservoir from the nozzle by the heat applied from the heater device,

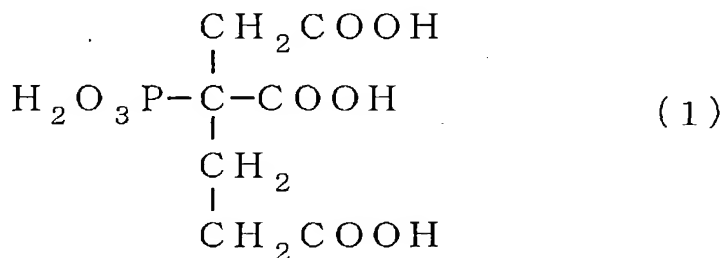
the heater device having a surface treated with an organic phosphonic compound represented by the formula:



5. A method for making an inkjet recording head comprising a reservoir for accommodating an ink, a heater device, and a nozzle, the inkjet recording head capable of ejecting the ink in the reservoir from the nozzle by the heat applied from the heater device, the method comprising:

introducing a surface-treating solution containing an

organic phosphonic compound into the reservoir so as to put the heater device in contact with the surface-treating solution, the organic phosphonic compound being represented by the formula:

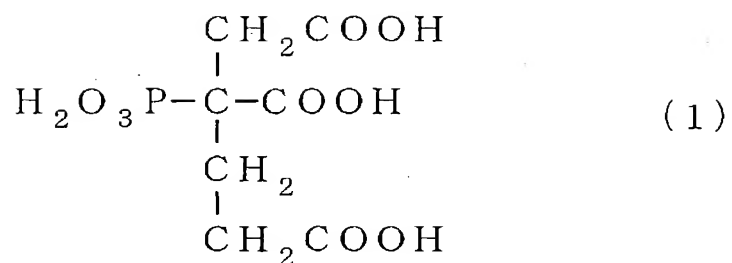


; and

heating the heater device so that the surface of the heater device is treated with the organic phosphonic compound.

6. A method for treating an inkjet recording head comprising a reservoir for accommodating an ink, a heater device, and a nozzle, the inkjet recording head capable of ejecting the ink in the reservoir from the nozzle by the heat applied from the heater device, the method comprising:

introducing a surface-treating solution containing an organic phosphonic compound into the reservoir not filled with the ink so as to put the heater device in contact with the surface-treating solution, the organic phosphonic compound being represented by the formula:



; and

heating the heater device so that the surface of the heater device is treated with the organic phosphonic compound.

7. An inkjet printer comprising any one of the inkjet recording head according to claim 4, an inkjet recording head prepared by the method of claim 5, and an inkjet recording head treated by the method of claim 6.